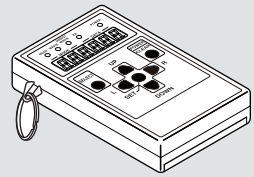
Anywire AnyWire System Products Guide

AnyWire Address Writer

ARW-03

Infrared non-contact type | Remote head wearable

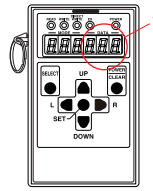


AnyWire is a registered trademark of Anywire Corporation.

The **Products Guide** describes individual products. Refer to the Guide as necessary.

	Category	Type	Firmware Version	
			Ver. 1.00 or lower	Ver. 2.10 or higher
Adaptable Equipment	POKAYOKETERMINAL	Dust-proof, small-sized, door type	○	○
	AnyWire ASLINK TERMINAL	All models	×	○

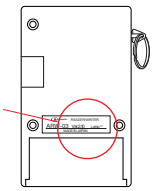
○: available, ×: unavailable



Front

The version is displayed when POWER is on.

A "Ver. *.*.*" is described on this label.



Back

[Notes on Safety]

Precautions that must be observed in order to use this system safely are indicated as shown below.
You must observe these precautions.

WARNING A WARNING indicates a potentially hazardous situation which, if not handled correctly, could result in death or serious injury.

CAUTION A CAUTION indicates a potentially hazardous situation which, if not handled correctly, may result in personal injury or property damage.

WARNING

- System Safety
  This system is intended for general industrial applications. It does not have functions for supporting applications requiring higher levels of safety such as safety-related devices or accident prevention systems. The product must not be used for these purposes.
- Always turn off the power before attempting to mount or replace.
- For change of setting in the direct mode, values are updated to the changed values when they are written. Please note that direct changes of addresses and others may result in unexpected operation.

CAUTION

- System power supply
  Use a stable, 24V DC power supply. Use of an unstable power supply may cause problems with the system.
- Separately route high-voltage and power cables
  Although the **AnyWire System** has a high noise margin, keep the transmission line and I/O cables away from high-voltage and power cables.
- Connectors and terminals
  * Pay careful attention to the length and installation of cable wiring to ensure that connectors and cables are neither overloaded nor disconnected.
  * Make sure to prevent any metal objects from getting inside the connectors or the terminal blocks.
  * Short-circuits caused by metal objects or mis-wiring are likely to damage the device.
- Do not impose any external loads on the units. Doing so may cause a failure.
- Do not disconnect or reconnect between the transmission line and slave units. A malfunction may occur.
- Use the **AnyWire System** within the range of the specifications and conditions shown below.

[Features]

-This is a unit of the AnyWire system. It is used for setting addresses and operating specifications of units with an infrared writing port.
This writer enables addresses and parameters to be set by the non-contact method.
- Writing and reading can be performed.
- As the body is small-sized and driven by battery, it has no power code and can be taken anywhere.
- As address values are displayed at a 7-segment display unit and can be used directly at the decimal scale, this eliminates inconveniences that it is hard to see the switch in a dark place and the set value must be calculated.
- A remote head (ARW-RH) to make writing in a narrow space or small-sized unit easier is prepared (separately sold).
- The writer has an automatic shutout function to protect the battery even when the power is left on. (The condition in the middle of the setting operation returns to the content before setting.)

[Type]

ARW-03	Infrared non-contact address writer (Ver. 2.10)
ARW-RH	Remote head for narrow space and small part (sold separately)

Also available is a set of ARW-03 and ARW-RH.
Model: ARW-03-RH

[Warranty]

■ Warranty period
The warranty on the delivered Product shall continue to be effective for one (1) year after the delivery thereof to a location as designated by the original owner.

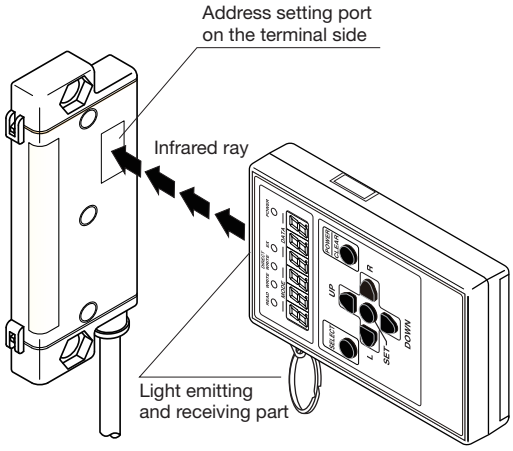
■ Scope of warranty
Should a defect occur in any part of the Product during the foregoing warranty period when it is used normally in acordance with the specifications described in this User's Manual, the Company shall replace or repair the defect free of charge, except when it arises as a result of:
[1] Misuse or abuse of the Product by the owner;
[2] Fault caused by other than the delivered Product;
[3] The unauthorized modification or repair of the Product by any person other than the Company's personnel;
[4] Any unusual force of nature, disaster or other cause beyond the Company's control.
The term "warranty," as used herein, refers to the warranty applicable to the delivered product alone. The Company shall not be liable for consequential or incidental damages resulting from any malfunction.

■ Repair at cost
After the expiration of the warranty period, the owner shall be responsible for all costs and expenses incurred for the troubleshooting and repair of the Product. Even during the warranty term, the Company shall repair any defects arising from causes other than within the scope of the warranty as specified above, at the owner's cost.

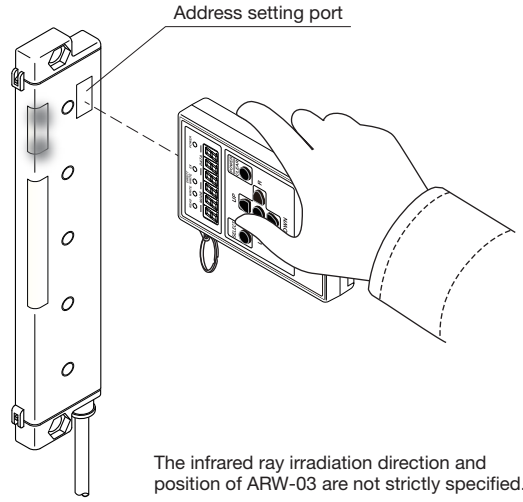
[Overview]

ARW-03 can write addresses in a unit and read the addresses written in a terminal using infrared ray.
As the infrared ray emitting and receiving part is less influenced by ambient light, the writer can be used almost anywhere indoors.
And the writer works well only by visual adjustment of the address writer optical axis at the time of transmission and reception by the diffusion-type light emitting and receiving system with weak-directivity.

■Image of address writing

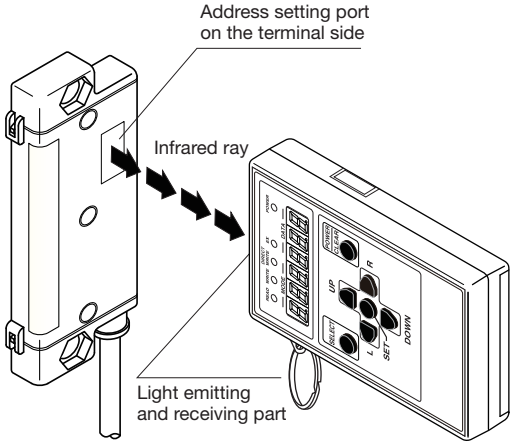


■Image of operation



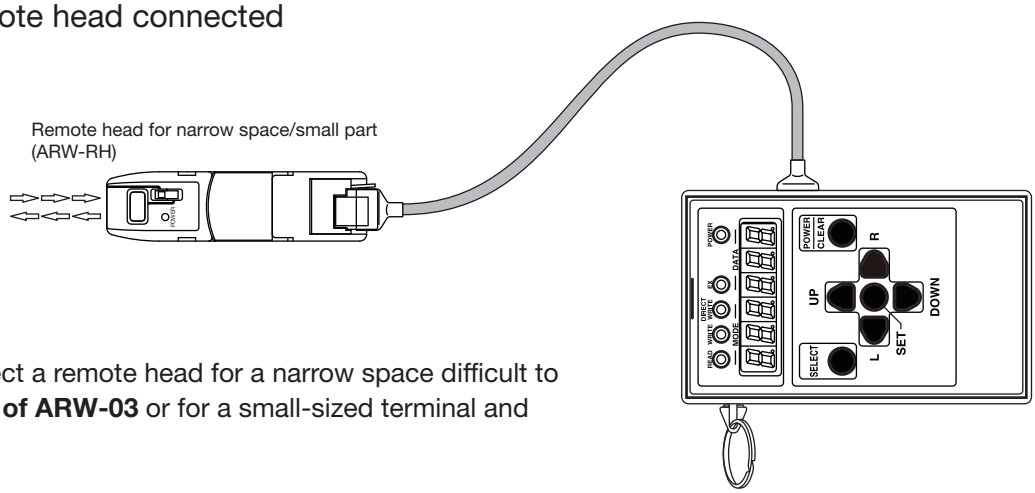
The infrared ray irradiation direction and position of ARW-03 are not strictly specified.

■Image of address reading



⚠ CAUTION When the light emitting and receiving part of ARW-03 and the address setting port of a unit to be set are in strong ambient light such as direct sunlight, it may be impossible to write and read addresses.
In such cases, please shade the light by your hands, etc.

■Image with a remote head connected



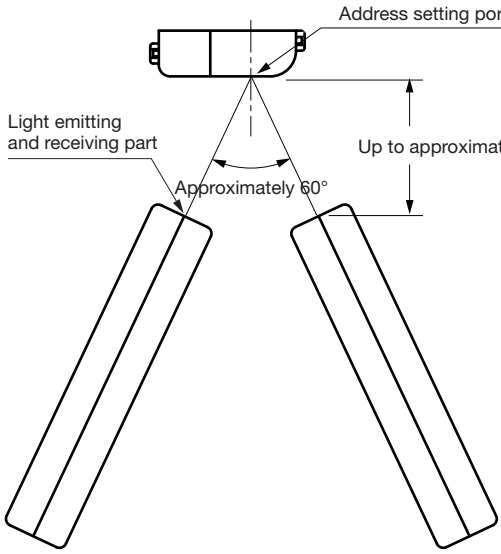
It is convenient to connect a remote head for a narrow space difficult to move close to **the body of ARW-03** or for a small-sized terminal and small infrared port.

For **ARW-RH**, refer to **ARW-RH instruction manual**.

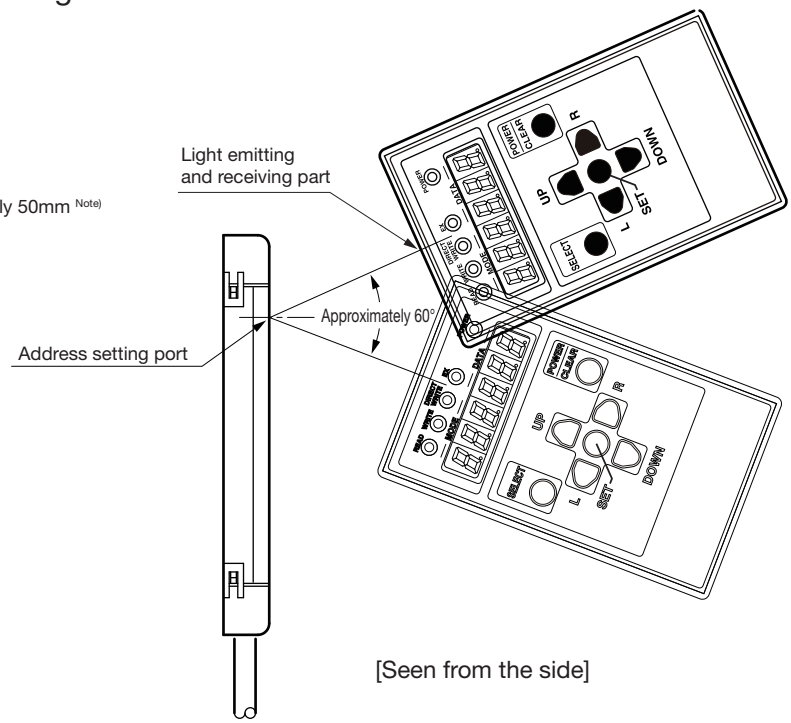
[Position during operation]

Operation is based on the assumption of operation within a range of some distance. The guideline for light emitting and receiving distance is as follows:

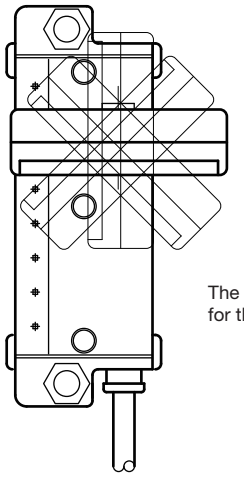
■Guideline for positions in writing and reading addresses



[Seen from the top]



[Seen from the side]

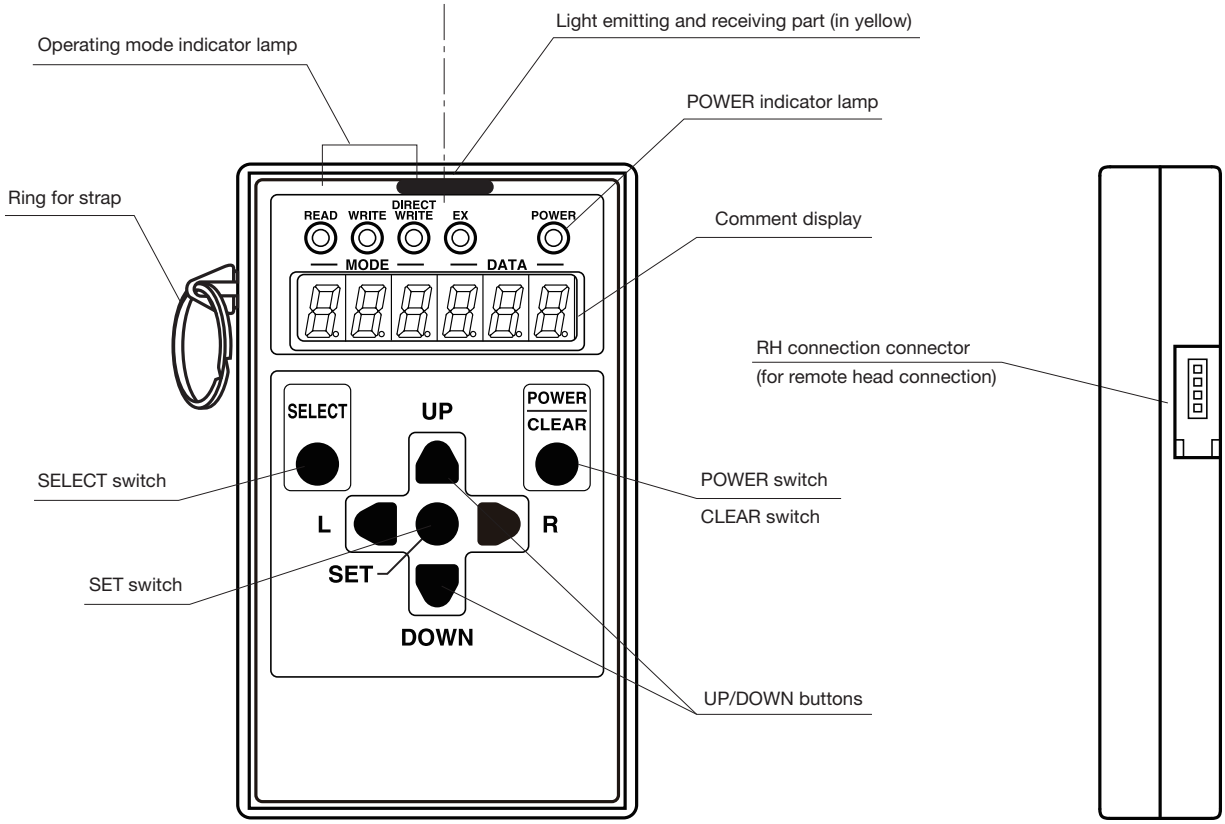


The vertical directions are not specified for the front of ARW-03.

[Front]

Note) The distance from the terminal varies depending on the terminal size.
In the case of a small terminal, it is necessary to move the writer close to the terminal.

[Name of each part]



[Type of operation]

The following operations are available for the ARW-03.

Purposes	Measures	Mode to be selected	Version		Explanation page
			Ver.1.00 or lower	Ver. 2.10 or higher	
ARW-03 Initial check	Press the POWER switch pressing the SELECT switch.	Select the maximum address Select the maximum number of parameters	○	○	6
Teaching	Direct renewal	EX mode	×	○	7
Address reading	Direct reading	READ mode	○	○	8
Address writing	Power reset renewal	WRITE mode	○	○	10
	Direct renewal	DIRECT WRITE mode	○	○	11
Parameter reading	Direct reading	READ mode	△	○	13
Parameter writing	Power reset renewal	WRITE mode	△	○	14
	Direct renewal	DIRECT WRITE mode	△	○	15

○: available, △: conditioned, ×: unavailable

[Precautions for use]

It is necessary to check the internal setting of the ARW-03 depending on the reading/writing unit.
Check the content of the setting memorized in this unit to match it with the target unit before use.

> **CAUTION** The following operations are necessary for correct setting in the target unit.
> When using the address writer the first time, make sure to conduct the operations and check the content set in the writer.
> If the matching of the address writer and unit is not correct and reading and writing operations are performed, it may cause the unit to incorrectly operate. (If the setting is correctly adjusted again, that is not a problem.)

■Contents to be checked

The contents to be checked are the “maximum number of parameters to be selected” and “maximum points setting mode.”
“Maximum number of parameters to be selected” is the number of parameters that can be set and is registered within the range of “1 – 6.”
For “maximum points setting mode,” the maximum of address “256” or “512” that can be set is switched according to the type of unit.

●Maximum points setting mode

Terminal connection targets	Use mode	
	256 mode	512 mode
Open Terminal Series Bitty Brdge EZwire POKAYOKETERMINAL	○	—
A20 Series Master	—	○

●Maximum number of parameters to be selected

The maximum number of parameters is expressed as “Pn” and any number of 0 - 19 can be selected.
For example, if the maximum number is set to “4,” 4 types (01 – 04) can be selected in the parameter mode.
This parameter is selected based on the setting target unit and its necessary setting function.

> **CAUTION** Normally, set the number to “19 (maximum).”
> However, the parameters to be used vary depending on the slave unit.
> Set only the parameter number to be used.
> If unnecessary parameters are written, it may result in a malfunction.

■Setting operation

	How to operate	Display	
1	Turn ON the POWER switch pressing SELECT switch.	Ad 256 or Ad 512	
2	Press the UP switch once.	Pn 0 ~ Pn 19	Any number from 0 to 19 is displayed.
3	Press the SET switch.	Pn 0. ~ Pn 19.	Dot flashing movement
4	Display the number to be set by the UP/DOWN switches to press the SET switch.	SEt	After “SEt” is displayed, the set value is displayed again.
		Pn 19. Example)	In the case of setting the maximum number of parameters to 19
5	Press the L switch.	Pn 19	Dot flashing movement
6	Press the DOWN switch once.	Ad 256 or Ad 512	The display returns to that of Operation No.1.
7	Press the SET switch.	Ad 256. or Ad 512.	Dot flashing movement
8	Display the number to be set by the UP/DOWN switches to press the SET switch.	SEt	After “SEt” is displayed, the set value is displayed again.
		Ad 256. Ad 512.	In the case of setting the maximum address to 256 In the case of setting the maximum address to 512
9	Turn OFF the POWER switch.		

If moving to the address setting etc., turn ON the POWER switch again.

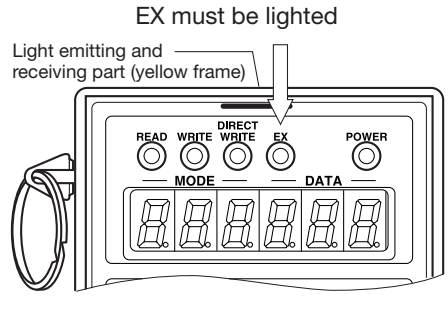
[EX Mode]

If using **ASLINKAMP and ASLINKSENSOR**, it is necessary to register the initial setting of **ON/OFF operations** with respect to these terminals before using them.
It is **"EX Mode"** to perform this setting.

> **CAUTION** Make sure to perform ON/OFF setting.
> If not, it may result in abnormal operation.

■Setting operation

	How to operate	Display	
1	Turn ON the POWER switch.	SELECt	After approximately 2 seconds, "SELECt" flashes.
2	Press the SELECT switch.	------	----Flashing
3	Press the SELECT switch several times to light the EX display.	EX (red)	
4	Press the SET switch.	SEtonA	SEt on mode
5	Set SEton in the condition where the appropriate terminal detects a work.	SEtoPo	During the setting operation
6	When SEton setting is correctly set, "Good" is displayed and then "Seton" is displayed again.	Good	Correctly completed
		SEtonA	Setting is completed
7	If SEton setting is not correctly set, "SEt Err" is displayed. Readjust the light emitting and receiving part to press the SET switch again until Operation No.6 is completed.	SEtErr	Err display
8	After SEton setting is completed, press the UP or DOWN switch once.	SEtoFF	SEt oFF mode
9	And then remove the work from the appropriate terminal to set SEtoFF.	SEtoPo	During the setting operation
10	When SEtoFF setting is correctly set, "Good" is displayed and then "SEtoFF" is displayed again.	Good	Correctly completed
		SEtoFF	Setting is completed
11	If SEton setting is not correctly set, "SEt Err" is displayed. Readjust the light emitting and receiving part to press the SET switch again until Operation No.8 is completed.	SEtErr	Err display
12	To clear "Err" once, press the CLEAR switch.		
13	If moving to the next setting, press the SELECT switch.	READ (green) WRITE (yellow) DIRECT WRITE (orange)	



After using ARW-03, keep the POWER switch pressed to turn OFF the power.

[Address reading…READ Mode]

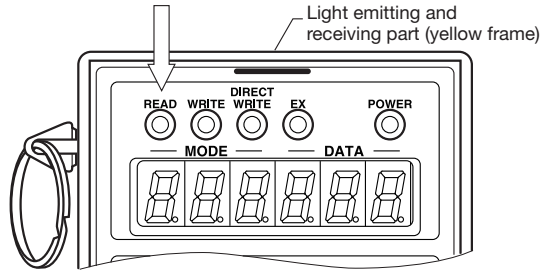
This is the mode to read the addresses written in a unit.
Check that power (in the case of 2-wire type, transmission signal) is supplied to the reading target unit.

■Address reading operation

	How to operate	Display	
1	Turn ON the POWER switch.	SELECt	After approximately 2 seconds, “SELECt” flashes.
2	Press the SELECT switch.	------	----Flashing
3	Press the SELECT switch several times to light the READ display.	READ (green)	
4	Press the SET switch.	Ad----	The reading mode is determined.
5	Point the light emitting and receiving part (yellow frame) at the address setting port of the unit to be written and then press the SET switch.	Ad000	During the reading operation
		Ad888 Example)	Address values read
6	When moving to the next unit to read addresses, directly move to the next address setting port to press the SET switch and repeat reading.	Ad000	During the reading operation
		Ad888 Example)	Address values read
7	In the case of failure in reading	AdErr	Err display
8	Readjust the light emitting and receiving part and press the SET switch again.	Ad000	During the reading operation
		Ad888 Example)	Address values read
9	- Clear the Err display. - Switch the mode to another mode. Press the CLEAR switch.	Ad----	Return to the reading mode display
10	Press the SELECT switch several times to light the display of a desired mode.	READ (green) WRITE (yellow) DIRECT WRITE (orange)	
11	Press the SET switch.	Ad----	

After using ARW-03, keep the POWER switch pressed to turn OFF the power.

READ must be lighted.



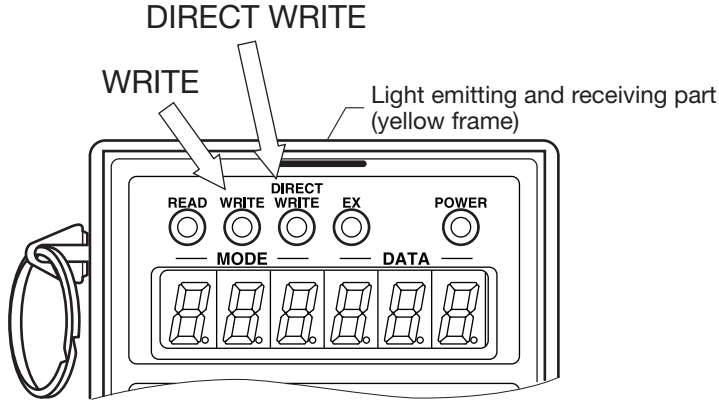
[Writing of addresses…Notes]

There are two writing modes as follows. Understand it to select the mode.

Mode	Details
WRITE	When the power of the terminal and transmission signals are turned off after the writing operation and turned on again, the written values become available. **In consideration of safety of the system, writing in this mode is recommended normally.**
DIRECT WRITE	The written values become available at the time when addresses are written. As addresses can be updated with the power on, this is an easy method. However, **it requires careful attention to operation so that unexpected terminal movement may not cause an accident.**

If using a branching/disconnection function, set all the addresses and then register the connection ID on the master side by performing “automatic address recognition operation.”

If “automatic address recognition operation” is performed on the master side, when connection ID is registered to change an address, it will cause a disconnection error.
In this case, perform “automatic address recognition operation” and then register the connection ID again.



[Writing of addresses…WRITE Mode]

This is the mode to enable renewal by turning on the transmission signals and power again.
Check that power (in the case of 2-wire type, transmission signal) is supplied to the target unit in writing addresses. And after writing all the addresses, confirm the safety and reset the power (in the case of 2-wire type, transmission signal) of the target unit to update the result of writing.

■Address writing operation

	How to operate	Display	
1	Turn ON the POWER switch.	SELECt	After approximately 2 seconds, “SELECt” flashes.
2	Press the SELECT switch.	------	Flashing
3	Press the SELECT switch several times to light the WRITE display.	WRITE (yellow)	
4	Press the SET switch.	Ad 000	The writing mode is determined.
5	Press the SET switch.	Ad 000	Dot flashing movement
6	Display the address value to be written by using the UP/DOWN switches. If the R switch is operated, 50 addresses are added. And if the number of addresses added exceeds the maximum number of 250 or 500 (initial setting), it returns to 0 (zero).	Ad 888 Example)	Display the set address values
7	Point the light emitting and receiving part (yellow frame) at the address setting port of the unit to be written and then press the SET switch.	Ad oPo	During the writing operation
		Ad 888 Example)	Written address values
8	If moving to the next terminal to write addresses, change the value by using the UP/DOWN switches and repeat writing operation with the SET switch.	Ad oPo	During the writing operation
		Ad 888 Example)	Written address values
9	In the case of failure in writing	Ad Err	Err display
10	Readjust the light emitting and receiving part and press the SET switch again.	Ad oPo	During the writing operation
		Ad 888 Example)	Written address values
11	- Clear the Err display. - Switch the mode to another mode. Press the CLEAR switch.	Ad 000	Return to the WRITE mode display.
12	Press the L switch.	Ad 000	Dot flashing movement
13	Press the SELECT switch several times to light the display of a desired mode.	READ (green) WRITE (yellow) DIRECT WRITE (orange)	
14	Press the SET switch.	Ad ----	Dot flashing movement
15	Return to Operation No.6 for rewriting operation.		

After using ARW-03, keep the POWER switch pressed to turn OFF the power.

[Direct writing of addresses…DIRECT WRITE Mode]

The values become available at the time when addresses are written.
Check that power (in the case of 2-wire type, transmission signal) is supplied to the target unit in writing addresses. In this mode, the values are updated at the time when addresses are written. **Please carry out the operation carefully because the address response changes and it may result in unexpected movement.**

■Address writing operation

	How to operate	Display	
1	Turn ON the POWER switch.	SELECt	After approximately 2 seconds, “SELECt” flashes.
2	Press the SELECT switch.	------	Flashing
3	Press the SELECT switch several times to light the DIRECT WRITE display.	DIRECT WRITE (yellow)	
4	Press the SET switch.	Ad 000	The writing mode is determined.
5	Press the SET switch.	Ad 000.	Dot flashing movement
6	Display the address value to be written by using the UP/DOWN switches. If the R switch is operated, 50 addresses are added. And if the number of addresses added exceeds the maximum number of 250 or 500 (initial setting), it returns to 0 (zero).	Ad 888. Example)	Display the set address values
7	Point the light emitting and receiving part (yellow frame) at the address setting port of the unit to be written and then press the SET switch.	Ad oPo Ad 888. Example)	During the writing operation Written address values
8	If moving to the next terminal to write addresses, change the value by using the UP/DOWN switches and repeat writing operation with the SET switch.	Ad oPo Ad 888. Example)	During the writing operation Written address values
9	In the case of failure in writing	Ad Err	Err display
10	Readjust the light emitting and receiving part and press the SET switch again.	Ad oPo Ad 888. Example)	During the writing operation Written address values
11	- Clear the Err display. - Switch the mode to another mode. Press the CLEAR switch.	Ad 000.	Return to the WRITE mode display.
12	Press the L switch.	Ad 000	Dot flashing movement
13	Press the SELECT switch several times to light the display of a desired mode.	READ (green) WRITE (yellow) DIRECT WRITE (orange)	
14	Press the SET switch.	Ad ---.	Dot flashing movement
15	Return to Operation No.6 for rewriting operation.		

After using ARW-03, keep the POWER switch pressed to turn OFF the power.

[Parameters]

Parameter consists of the movement element and the variable built in a unit.
For a type of unit to select parameters, select and set the movement specification in **ARW-03**.
The following parameters are available depending on models.

⚠ CAUTION Do not operate the writer with a value that exceeds the following parameters or variable values. This may cause the writer to malfunction. If you try to set a value that exceeds the parameters and variable values, "E-303" is displayed in the display portion of ARW-03.

■Parameters of representative models

Type	Model	Details of parameter		
Door type fall-proof	A027XB-F02□-P A227XB-F02□-P	01	1, 2, 3, 4, 5, 6, 7	Door upper position
		02	1, 2, 3, 4, 5, 6, 7	Door lower position
		03	1, 2, 3, 4, 5, 6, 7, 8, 9, 10	Timer
		04	0 (green), 1 (red), 2 (blue), 3 (yellow), 4 (sky-blue), 5 (purple) and 6 (white) *7 or more cannot be set.	Display colors
		05	—	Reserve
		06	—	Reserve
Small-sized fall-proof	A027XB-K02VN-P A027XB-K02V-P A227XB-K02VN-P A227XB-K02V-P	01	0 (green), 1 (red), 2 (blue), 3 (yellow), 4 (sky-blue), 5 (purple) and 6 (white) *7 or more cannot be set.	Display colors
		02	—	Reserve
		03	—	Reserve
		04	—	Reserve
		05	—	Reserve
		06	—	Reserve
ASLINKER	B280SB-02U□-C1220 B280PB-02U□-C1220	01	0 (I/O disconnection, 24VL short-circuit detection: OFF) 1 (I/O disconnection, 24VL short-circuit detection: ON)	Function Selection
	B281□B-02U□-CC20	01	0 (I/O disconnection, 24VL short-circuit detection: OFF) 1 (I/O disconnection, 24VL short-circuit detection: ON)	Function Selection
ASLINKAMP	B289SB-01AF-CAM20 B289SB-01AF-CAS B289SB-01AP-CAM20 B289SB-01AP-CAS	01	Setting of sensor sensitivity (threshold) Adjustment range: 0 – 100 (Before shipment: 50)	Function Selection
		02	Hysteresis setting for sensor sensitivity Adjustment range: 0 – 100 (Before shipment: 5)	Function Selection
		03	Setting of upper limit of alarm judgment value Adjustment range: 0 – 100 (Before shipment: 80)	Function Selection
		04	Setting of lower limit of alarm judgment value Adjustment range: 0 – 100 (Before shipment: 20)	Function Selection
		05	Setting of monitoring time in alarm judgment value Adjustment range: 3 – 255 (Before shipment: 50) (Unit: 0.1 sec)	Function Selection
		06	Switching of Dark ON and Light ON, Before shipment: 0 Transmission-type: Dark (shielding) ON: 0 / Light (Transmission) ON: 1 Reflection-type: Dark (without reflection) ON: 0 / Light (with reflection) ON: 1	Function Selection
		07	Setting of operating mode 0 (Diagnosis function: OFF) 1 (Diagnosis function: ON) *ASLINKAMP-side display interlock	Function Selection
		08	Internal setting for photoelectric head Variable: 0-3, Before shipment: 0 *This value is used for setting before shipment. If changing this value, consult our Sales Division.	Function Selection

For details of the parameter, also refer to the instruction manual of each unit.

[Parameters (sequel)]

■Parameters of representative models

Type	Model	Details of parameter		
AnyWireASLINK Mapping terminal	B232SB-MX100-STP B232SB-SX100-STP	01	0, 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 Before shipment: 10	Sensitivity
		02	0 (Collective setting of sensitivity), 1 (Individual setting of sensitivity) Before shipment: 0	Sensitivity setting mode of B232SB-SX100-STP
		03	0 (with error sensor unit monitoring function) 1 (without error sensor unit monitoring function) Before shipment: 0	Error sensor unit monitoring function

[Reading of parameters]

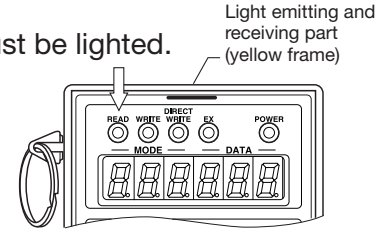
Check that power (in the case of 2-wire type, transmission signal) is supplied to the reading target unit.

■Parameter reading operation

	How to operate	Display	
1	Turn ON the POWER switch.	SELECt	After approximately 2 seconds, “SELECt” flashes.
2	Press the SELECT switch.	------	Flashing
3	Press the SELECT switch several times to light the READ display.	READ (green)	
4	Press the SET switch.	Ad.---	The reading mode is determined.
5	Press the UP switch to display the P number of the parameter type to be read from the target terminal.	01.--- Example)	Select parameter 1.
6	Point the light emitting and receiving part (Yellow frame) at the unit to press the SET switch.	Ad oo	During the reading operation
		01.0001 Example)	Parameter value read
7	In the case of failure in reading	01 Err	Err display
8	Readjust the light emitting and receiving part and press the SET switch again.	Ad oo	During the reading operation
		01.0001 Example)	Parameter value read
9	- Clear the Err display. - Switch the mode to another mode. Press the CLEAR switch.	01.---	Return to the reading mode display
10	If reading parameters from another unit, return to Operation No.6 to repeat the operations.		
11	If returning to the address setting mode, press the DOWN switch once.	Ad.---	Change to the Ad display.

After using ARW-03, keep the POWER switch pressed to turn OFF the power.

READ must be lighted.



[Writing of parameters]

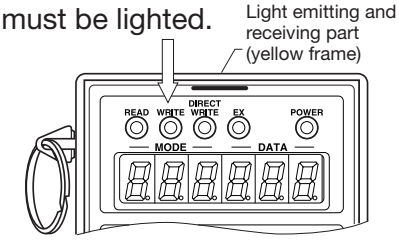
This is the mode to enable renewal by turning on the transmission signals and power again.
Check that power (in the case of 2-wire type, transmission signal) is supplied to the target unit in writing addresses. And after writing all the addresses, confirm the safety and reset the power (in the case of 2-wire type, transmission signal) of the target unit to update the result of writing.

■Parameter writing operation

	How to operate	Display	
1	Turn ON the POWER switch.	SELECt	After approximately 2 seconds, “SELECt” flashes.
2	Press the SELECT switch.	------	Flashing
3	Press the SELECT switch several times to light the WRITE display.	WRITE (yellow)	
4	Press the SET switch.	Ad.000	The writing mode is determined.
5	Press the UP switch once to change the display to parameter writing.	01.000	
6	Press the SET switch.	01.000.	Dot flashing movement
	Display the parameter value to be written by using the UP/DOWN switches.	01.0001. Example)	In the case of selecting variable “1” in parameter 1
	Point the light emitting and receiving part (yellow frame) at the address setting port of the unit to be written and then press the SET switch.	01.oPo	During the writing operation
		01.0001. Example)	Written parameter values
7	In the case of failure in writing	01.Err	Err display
8	Readjust the light emitting and receiving part and press the SET switch again.	01.oPo	During the writing operation
		01.0001. Example)	Written parameter values
9	If writing parameters from another unit, return back to Operation No.6 to repeat the operations.		
10	- Clear the Err display. - Switch the mode to another mode. Press the CLEAR switch.	01.000.	Return to the writing mode display
11	Press the L switch.	01.000	Dot flashing movement
12	If returning to the address setting mode, press the DOWN switch once.	Ad.000	Change to the Ad display.

After using ARW-03, keep the POWER switch pressed to turn OFF the power.

WRITE must be lighted.



[Direct writing of parameters]

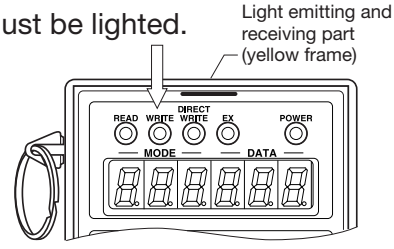
The values become available at the time when addresses are written.
Check that power (in the case of 2-wire type, transmission signal) is supplied to the target unit in writing addresses. In this mode, the values are updated at the time when addresses are written. **Please carry out the operation carefully because the characteristics and movement change and it may result in unexpected operation.**

■Parameter direct writing operation

	How to operate	Display	
1	Turn ON the POWER switch.	SELECt	After approximately 2 seconds, “SELECt” flashes.
2	Press the SELECT switch.	------	Flashing
3	Press the SELECT switch several times to light the DIRECT WRITE display.	DIRECT WRITE (orange)	
4	Press the SET switch.	Ad.000	The writing mode is determined.
5	Press the UP switch once to change the display to parameter writing.	01.000	
6	Press the SET switch.	01000.	Dot flashing movement
	Display the parameter value to be written by using the UP/DOWN switches.	01 1. Example)	In the case of selecting variable “1” in parameter 1
	Point the light emitting and receiving part (yellow frame) at the address setting port of the unit to be written and then press the SET switch.	01 oPo	During the writing operation
		01 1. Example)	Written parameter values
7	In the case of failure in writing	01 Err	Err display
8	Readjust the light emitting and receiving part and press the SET switch again.	01 oPo	During the writing operation
		01 1. Example)	Written parameter values
9	If writing parameters from another unit, return back to Operation No.6 to repeat the operations.		
10	- Clear the Err display. - Switch the mode to another mode. Press the CLEAR switch.	01000.	Return to the writing mode display
11	Press the L switch.	01.000	Dot flashing movement
12	If returning to the address setting mode, press the DOWN switch once.	Ad.000	Change to the Ad display.

After using ARW-03, keep the POWER switch pressed to turn OFF the power.

WRITE must be lighted.

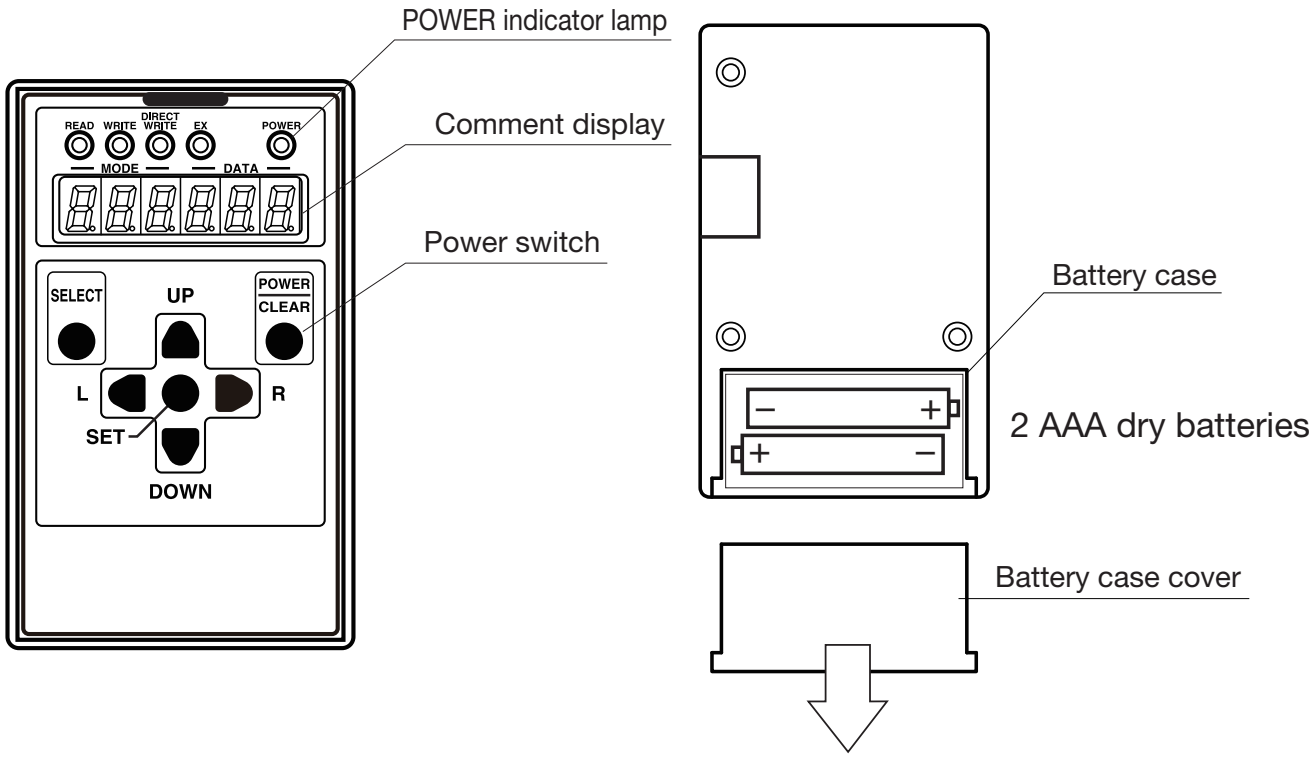


[Battery replacement]

If the POWER indicator lamp flashes, the battery is almost dead. Please replace it with new one.

■Battery replacement

	Condition	Display	
1	POWER switch ON	POWER indicator lamp flashes CEAnGE	Batter is almost dead.
2	POWER switch OFF		Battery replacement



Please pull the cover in the arrow direction.

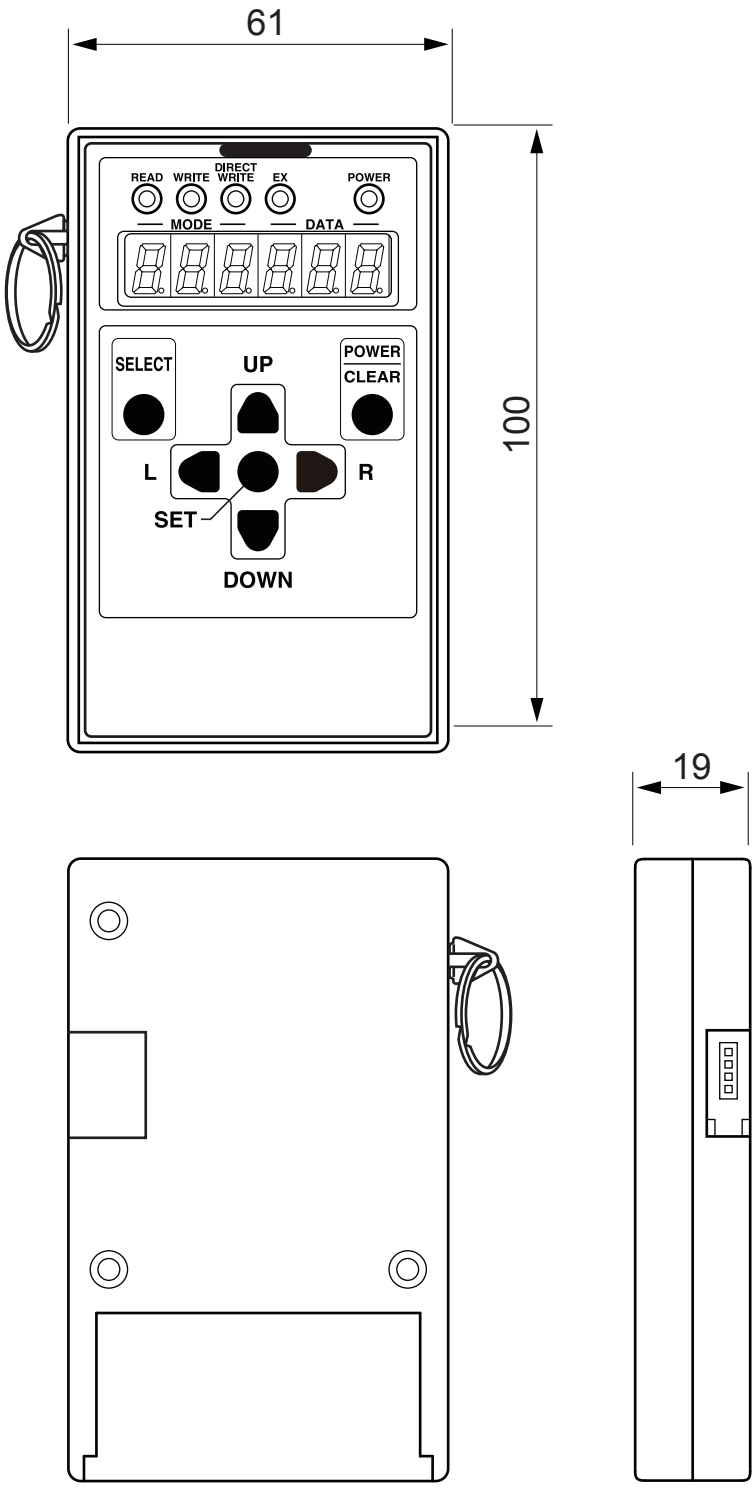
CAUTION

Put batteries in the correct directions (+ and -). If not put in the correct directions, it may cause a failure, breakage, etc.
Properly dispose of used batteries in accordance with the regulations of each local government.

*Dry batteries are separately packed to be attached to the writer.
The attached batteries are monitor batteries for operation check.
Therefore, the batteries may run down sooner than commercially available batteries.
In such cases, purchase 2 “AAA dry batteries” separately.
Rechargeable batteries are not recommended.

[Outer dimensions]

Unit: mm



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